

KOSIERADZKI, P.

"Inert atmospheres in heat treatment of metals."
(Mechanik, Vol 25 No 2 Feb 53 Warszawa)

p. 84

SO: Monthly List of East European Accessions, Vol 25 No 9 Library of Congress Sept 53 Uncl

KOSIERADZKI P.

Obróbka cieplna metalu (Thermal machining of metals) by P. Kosieradzki.
Reported in New Books (Nowe Książki.) February 15, 1956. No. 4.

KOSIERADZKI, Pawel, prof.

"Anticorrosion handbook, vol. 1. Introduction to the technological understanding of anticorrosion" by Alexandre J. Maurin. Reviewed by Pawel Kosieradzki. Przegl mech 21 no.11:356. 10 Je '62.

2186. Application of radiocobalt isotopes on sand for hydraulic fracturing in Krasnodar oil fields. *I. N. Tseluk and B. K. Kostin. Dokl. Akad. Nauk SSSR, 1960, 12, 210-31.* In the first attempt to locate cracks in the sand, isotopes were made in the form of small granules with half life 4.95 ± 0.04 hr. This sand, when in granular form, was sealed in a waterproof bag. When the natural radioactivity of the bag after the radioactive sand had been introduced mixed with ordinary sand in sufficient quantity to leave a record on logging strip. The experiment

isotopes on sand for hydraulic fracturing in Krasnodar oil fields. *I. N. Tseluk and B. K. Kostin. Dokl. Akad. Nauk SSSR, 1960, 12, 210-31.* In the first attempt to locate cracks in the sand, isotopes were made in the form of small granules with half life 4.95 ± 0.04 hr. This sand, when in granular form, was sealed in a waterproof bag. When the natural radioactivity of the bag after the radioactive sand had been introduced mixed with ordinary sand in sufficient quantity to leave a record on logging strip. The experiment

3
1-6m
1-8m

0m

KOSIERADZKI S.

Well Automation at effluent. E. M.
R. Kozlowski, Wroclaw (Krakow), 1958.
biggest fields in Turman district is a
equipment. This is done by means
Roads are automatically scraped, and
operating the pump has been substantially

Mathematics and
S. 252. One of the
by self-controlled
of level regulators
number of people
by one. M. S.

2

KOSIERADZKI, W.

Disturbances in electric-power plants as a result of the false handling of connections.

p. 146
Vol. 9, no. 3, May/June 1955
ENERGETYKA
Stalinograd

S6: Monthly List of East European Accessions (FEAL), LC, Vol. 5, no. 2
Feb. 1956

KOSIERADZKI, W.

621.314.2
 4030. Operational problems and desiderata in trans-
 former production in the light of experience acquired
 and considering power engineering requirements
 W. KOSIERADZKI AND S. MOSCZYNSKI. *Przeglad*
elektryczny, 31, No. 2-3, 49-53 (1935) In Polish.
 Suggestions are given for overcoming present
 difficulties in operation of Polish power systems
 resulting to a great extent from deficiencies in the
 national transformer production. The suggestions
 include modernization of transformer specifications,
 standardization of operational voltages and trans-
 former connections, curtailment of iron losses,
 drafting of detailed assembly and maintenance instruc-
 tions, production of on-load tap-changing gear and
 mobile stations.
 E. M. DEMINSKI

EP

① PK

KOSIEWICA, Tadeusz, doc.

Present state of the Italian automobile industry. Pt.2.
Techn motor 13 no.2:37-43 F '63.

1. Politechnika, Warszawa.

KOSIEWICZ, T.

Training of automobile engineers and mechanics and the technology of automobile and tractor construction. p. 40. (TECHNIKA MOTORYZACYJNA, Vol. 4, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOSIEWICZ, T.

Analysis of operations of preparing and starting the production of a new type of automobile. p.73

TECHNIKA MOTORYZACYJNA. (Naczelna Organizacja Techniczna)
Warszawa, Poland. Vol.9, no.3, Mar. 1959

Monthly List of East European Accessions Index, (EEAI) LC, vol.8, no.6
June 1959
Uncl.

KOSIEWICZ, Tadeusz, prof. inz.

Preliminary designing of plants for the automobile industry.
Pt. 4. Techn motor 14 no. 3:82-86 Mr '64.

1. Technical University, Warsaw.

KOSIEWICZ, Tadeusz, prof, inz.

Preliminary designing of plants for the automobile industry. Pt. 2. Techn motor 14 no. 1: 1-5 Ja '64.

1. Technical University, Warsaw.

KOSIEWICZ, Tadeusz, prof. inz.

Preliminary designing of plants for the automobile industry.
Pt. 3. Techn motor 14 no. 2: 49-52 F '64.

1. Technical University, Warsaw.

KOSIEWICZ, T., Doc.

Constructional and technological problems of welded intermediate products in the automobile industry. Techn motor 11 no.8:281-286 Ag '61.

1. Kierownik Katedry Technologii Pojazdow i Maszyn Roboczych.
Politechniki Warszawskiej.

KOSIEWICZ, T. Doc.

Technological analysis of the construction of intermediate products and of heat treated parts of automobiles. Techn motor 11 no.9:313-319 S '61.

1. Kierownik Katedry Technologii Pojazdow i Maszyn Roboczych Politechniki Warszawskiej.

KOSIEWICZ, Tadeusz, prof.

Design, construction and use of machine tool combines and automation lines in the Italian automobile industry. Techn motor 13 no.11:354-361 N°63.

1. Politechnika, Warszawa.

KOSIEWICZ, Tadeusz, mgr. inż.

Preliminary design of factories for the automobile industry. Pt.1. Techn motor 13 no.12:389-394 D*63.

1. Politechnika, Warszawa.

KOSIEWICZ, Tadeusz, prof.

Organization of higher education and science in Italy.
Problemy 19 [i.e. 20] no.1:41-52 '64.

1. Kierownik Katedry Technologii Pojazdow i Maszyn Roboczych,
Politechnika, Warszawa.

KOSJEWICZ, Tadeusz, doc.

Present state of the Italian automobile industry. Pt.1.
Tech motor 13 no.1:1-7 Ja '63.

1. Politechnika, Warszawa.

KOSIEWICZ, Tadeusz, prof.

Problem of evaluating the quality of products of the motor
vehicle industry. Techn motor 15 no.2:33-39 F '65.

1. Warsaw Technical University.

KOSIK, A.

Evaluation of the national competition arranged by the Office of the Commissioner of Transportation.

P. 41, (Sbirke Vynalezu) Vol. 6, no. 2, Feb. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EMAL) Vol. 6, No. 11 November 1957

KOSIK, Alfonz

Main principles of the Improvers' Fund. Zel dop tech 11 no.7:
220 '63.

1/1

HUNGARY

KOSIK, Gyula, Dr: Somogy Megye Council Executive Committee, Hospital of Kaposvar (director: TARJAN, Laszlo, Dr), Surgical Ward for Accidental Injuries (Somogy Megye Tanácsa V.B. -- Vegrehajto Bizottsag -- Kaposvari Korhaza, Baleseti Sebeszeti Osztaly).

"The Importance and Role of Allergy in the Surgical Treatment of Accidental Injuries."

Budapest, Magyar Traumatologia, Orthopaedia es Helyreallito Sebeszet, Vol IX, No 4, 1966, pages 280-284.

Abstract: [Author's English summary modified] The surgical aspects of allergic phenomena in the course of treatment of accidental injuries are discussed. On the basis of the complications encountered by the author and of literature data, the management of the injured patient, the allergic states which may develop in the course of anaesthesia and of the surgical interventions as well as their treatment are discussed. 5 Eastern European, 15 Western references.

KOSIK, I.; PRIBYL, R.

Volvulus of the gallbladder. Rozhl. chir. 41 no.2:127-130 F '62.

1. Chirurgické oddelení nemocnice v Koline, přednosta dr. M. Possner
Chirurgické oddelení nemocnice v Caslavi, přednosta dr. R. Pribyl.

(GALLBLADDER dis)

KOSIK, J., inz.

Selective getters in lighting techniques. El ech obzor 50
no.12:695-696 D '61.

KRKOSKA, Pavol, inz.; GULA, Tibor, inz.; KOSIK, Martin, inz.

Addition of hemicelluloses in hot pulp refining. Papir
a celuloza 18 no.12:239-240 D '63.

1. Katedra chemickej technologic dreva a chemickych vlaken,
Slovenska vysoka skola technicka, Bratislava.

KOZMAL, Frantisek, prof., inz.; KOSIK, Martin, inz.; KOVACIK, Vladimir, inz.

Properties of chemical pulp prepared by acid-alkaline cooking
of reed. Papir a celuloza 18 no.1:1-3 Ja '63.

1. Chemicka fakulta, Slovenska vysoka skola technicka, Bratislava.
2. Clen korespondent Slovenskej akademie vied (for Kozmal).

KOZMAL,F.; KOSIK,M.; KOVACIK,V.

Preparation of reed chemical cellulose through acid and alkaline processes. Cel hirtie 12 no.5/6:165-168 My-Je'63.

1. Membru corespondent al Academiei Slovace de Stiinte (for Kozmal). 2. Politehnica slovaca, Bratislava (for Kosik, Kovacik).

KOSIK, M., inz.; MISOVEC, P., inz.

Graduation papers of the Chair of Chemical Technology of Wood and Chemical Fibers on the cellulose and paper production technology, presented in 1961-1963. Papir a celuloza 18 no. 12: 241-243 D '63.

1. Katedra chemickej technologie dreva a chemickych vlaken, Chemicka fakulta, Slovenska vysoka skola technicka, Bratislava.

JURKOVIC, Jan; MISOVEC, Pavol; KOSIK, Martin

Some possibilities of furfural yield increase in low temperature pyrolysis of wood. Drevarsky vyskum no. 1:59-67 '63.

1. Katedra chemickej technologie dreva chemickej fakulty, Slovenska vysoka skola technicka.

00001

S/126/60/009/02/021/055

E111/E335
Kosik, N.A.

18.8200

AUTHORS:

Mikhaylov, I.F., Kogan, V.S. and

TITLE:

The Reasons for the Brittleness of Tungsten, Annealed in Vacuum

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 2, pp 285 - 287 (USSR)

ABSTRACT: The apparatus used in the experiment is shown in Figure 1. A high vacuum was obtained by using low-temperature methods. The specimen (in the form of a wire) was heated by passing an electric current through it. Annealing was carried out for one hour at temperatures of 1 000 to 3 200 °C. From 1 000 to 1 200 °C a surface film of oxide is formed and the mechanical properties of annealed specimens in an ordinary or in a "cold" vacuum are the same. Above 1 200 °C the oxide film disappears. At 1 300 °C specimens annealed in a "cold" vacuum are plastic and those in an ordinary vacuum are brittle. The wire heated in a "cold" vacuum has a considerably lower elastic limit than the original specimen. The specimens annealed in a "cold" vacuum retain their plasticity up to 2 100 °C. It is proposed

Card1/2

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S/126/60/009/02/021/033

E111/E335

The Reasons for the Brittleness of Tungsten, Annealed in Vacuum

that the reason for the brittleness of samples annealed in an ordinary vacuum is the formation of a layer of tungsten carbide on the surface. This is confirmed by X-ray analysis. Removing this layer by etching restores the plastic properties. Above 2 100 °C the change in plastic properties is due to recrystallization. This has been shown by X-ray analysis. Acknowledgments are expressed to Professor Ye.S. Borovik for his criticism and useful comments.

There are 2 figures and 10 references, 3 of which are English, 1 German and 6 Soviet.

ASSOCIATION: Fiziko--tekhnicheskii institut AN USSR (Physico-technical Institute of the Ac.Sc., Ukrainian SSR

SUBMITTED: July 7, 1959

Card 2/2

L 53869-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/ENG(m)/EPR/T Pr-4/PE-4/P-4
 ACCESSION NR: AP5017237 WW/DJ UR/0170/64/000/007/0003/0008 14
 AUTHOR: Borovik, Ye. S.; Mikhaylov, I. F.; Kasik, N. A. 43
 TITLE: Hydraulic friction and heat transfer in spiral counterflow heat exchange 42
 SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 7, 1964, 3-8 3
 TOPIC TAGS: heat transfer, hydraulic resistance, industrial heat exchanger
 ABSTRACT: Experiments on heat transfer and hydraulic resistance in counterflow heat exchangers are described. The exchangers were built of tubes of various sizes welded together to ensure good thermal contact. The tubes were formed into spirals. Large diameter tubes were for low pressure gas flows and the small diameter tubes were for the high pressure flows. The exchanger is fashioned so that each gas flow passes through the tube of optimum diameter. The experiments showed that heat exchangers of this type can be used in large liquifying machines. They are lighter than ribbed tube heat exchangers of similar capacity. Orig. art. has: 1 figure, 12 formulas, 1 graph, 1 table.

Cord 1/2

L 53869-65

ACCESSION NR: AP5017237

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UkrSSR, Khar'kov (Physico-Technical
Institute AN UkrSSR)

SUBMITTED: 13Feb63

ENCL: 00

SUB CODE: TD, IE

NR REF SOV: 005

OTHER: 003

JPRS

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Card

2/2

L 8383-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/EPF/T/EPA(hh)-2/EPA(1) Ps-4/ps-4/hh-4
 ASD(f)/ESD/SSD/AS(mp)-2/AEDC(a)/AFWL/ASD(d) ID/WM/GW
 ACCESSION NR: AP4048728 S/0185/84/009/007/0759/0765

AUTHOR: Borovy*k, Ye. S. (Borovik, Ye. S.); My*khaylov, I. F.
 (Mikhaylov, I. F.); Kosy*kh, M. A. (Kosik, N. A.)

TITLE: A comparison of the efficiencies of various heat exchangers for
 liquefaction machines

SOURCE: Ukrayins'ky'y fizy*chny'y zhurnal, v. 9, no. 7, 1964, 759-765

TOPIC TAGS: heat transfer, heat exchange, liquefaction thermodynamics

Abstract: Efficiencies of various designs of heat exchangers are com-
 pared, and the advantages of the heat exchangers designed by the authors
 -- heat contact soldered tubes of different diameters in which each gas
 stream goes through one tube -- are demonstrated on the basis of several
 concrete examples.

Card 1/2

L 8383-65

ACCESSION NR: AP4048728

ASSOCIATION: Fizy*ko-tekhnichny*y Insty*tu AN URSS, Kharkiv (Physico-
Technological Institute, AN URSS)

SUBMITTED: 08Nov68

ENCL: 00

SUB CODE: TD

NO REF SOV: 007

OTHER: 003

JPRS

Card 2/2

BOROVIK, Ye. S.; MIKHAYLOV, I. F., kand. tekhn. nauk; KOSIK, N. A., inzh.

Calculation of the heat exchangers of liquefying machines. Izv.
vys. ucheb. zav.; energ. 7 no.5:118-120 My '64 (MIRA 17:7)

1. Fiziko-tekhnicheskiy institut AN UkrSSR. 2. Chen-korrespondent
AN UkrSSR (for Borovik).

L 8393-65 EWT(1)/EWT(m)/EPT(c)/EPT(n)-2/EPR/1/EPA(bb)-2/EWP(q)/EWP(b)/EWA(1)
 PP-1/PS-1/Pu-1 AFWL/ASD(a)/AELC(a)/AS(mp)-2/SD/PSD/ASD(f) WW/JW/JD
 ACCESSION NR: AP4048727 S/0185/64/009/007/0749/0758

AUTHOR: Borovyk, Ye. S. (Borovik, Ye. S.); Mykhsylov, I. F.
 (Mikhsylov, I. F.); Kosykh, N. A. (Kosik, N. A.)

TITLE: Investigation of the process of heat transfer and hydraulic resistance
 in coil-pipe counterflow heat exchangers

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 8, no. 7, 1964, 749-758

TOPIC TAGS: heat transfer, heat exchanger, hydraulic resistance, liquefaction
 thermodynamics, liquified gas, hydrogen, helium

Abstract: Data are presented on the hydraulic resistance and heat trans-
 fer in heat exchangers consisting of pipes of various diameters soldered
 together at the thermal contact and coiled. The experimental results show
 that heat exchangers of this type may be used even in relatively large
 liquefaction machines. Formulas are obtained for the simplified calcu-
 lation of counterflow heat exchangers of liquefaction machines, and a
 brief table is given of all data required for calculating the choke coil
 liquefiers of hydrogen and helium.

Cord 1/2

L 8393-65

ACCESSION NR: AP4048727

ASSOCIATION: Fizyko-tekhnichnyy instytut AN URSR, Kharkiv (Physico-
Technological Institute, AN URSR)

SUBMITTED: 18Nov63

ENCL: 01

SUB CODE: TD

NO REF SOV: 005

OTHER: 002

JPRS

Card

2/2

BOROVIK, Ye.S. [Borovyk, Ye.S.]; MIKHAYLOV, I.P. [Mykhailov, I.P.]; KOSIK, M.A.
[Kosyk, M.A.]

Study of heat transfer and hydraulic resistance in coil-pipe
counterflow heat exchangers. Ukr. fiz. zhur. 9 no.7:749-758
Jl '64.

(CIRA 17:10)

1. Fiziko-tehnicheskii institut AN UkrSSR, Khar'kov.

BOROVIK, Ye.S. [Borovyk, Ye.S.]; MYKHAYLOV, I.P. [Mykhailov, I.P.]; KOSIK,
M.A. [Kosyk, M.A.]

Comparison of the efficiencies of various heat exchangers of lique-
faction machines. Ukr. fiz. zhur. 9 no.7:759-765 Jul '64. (MIRA 17:10)

1. Fiziko-tekhnicheskii institut AN UkrSSR, Kiev.

KOSIK, D.

1. Name (Last, First, Middle Initial)
2. Date of Birth (MM/DD/YYYY)
3. Place of Birth (City, State, Country)
4. Current Address (Street, City, State, Zip)
5. Previous Addresses (Street, City, State, Zip)
6. Date of Entry into the United States (MM/DD/YYYY)
7. Date of Departure from the United States (MM/DD/YYYY)
8. Date of Return to the United States (MM/DD/YYYY)
9. Date of Last Contact with the United States (MM/DD/YYYY)
10. Date of Last Contact with the United States (MM/DD/YYYY)

KOSIK, Pal; SALLAY, Melanie; ZIMANYI, Magda

Problems of thermal conductivity in case of complex boundary conditions.
Mat kut kozl MTA 4 no.3/4:377-383 '59. (EEAI 9:9)
(Heat) (Boundary value problems)

FENYES, Tamas; KOSIK, Pal

About systems consisting of heat-conducting rods. Mat lapok
13 no.1/2:197-198 '62.

FENYES, T.; KOSIK, P.

On the system of heat-conducting bars. Mat kut kozl MTA 7 Ser.A
no.1/2:181-189 '62.

FENYES, Tamas; KOSIK, Pal

Algebraic integral of Mikusinski's operators. Mat kut kozl
MTA 9 Series A no.1/2:21-34 '64.

KOSIK, S M

A52

6711. The general form of the 11-year sunspot cycle.
Kosik, S. M. *Astron. J. USSR*, 26 (No. 1) 78 (1949)

As Russian. English summary in Astron. revs.
Letter [Harvard] (No. 45).—Using the quantity
 $K = 10 \sqrt{W}$, where W is the usual Wolf number, the
author has represented the form of the sunspot curve
as a family of broken lines, each consisting of 3
straight-line sections. The curves are characterized
by the fact that the descending branch has the same
slope for all cycles, but the other 2 sections vary in
slope and in length.

AS-15A METALLURGICAL LITERATURE CLASSIFICATION

KOSIK, V.

KOSIK, V. Some problems of the use of machinery in pastures. p. 68.

Vol. 6, no. 4, Feb. 1956
MACHANISACE ZEMEDELSTVI
AGRICULTURE
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

KOSINOV, A.S. (Novosibirsk)

Mathematical Olympiad in Novosibirsk. Mat. v shkole. 1979.
01.06.80. (MIRA 14:10)
(Problems, exercises, etc.)

KOSIKHIN, A.S.

Approximate computation in the curricula of grades 5 to 6 of
secondary schools. Uch. zap. Novosib. gos. ped. inst. no.18:
131-138 '63. (MIRA 17:10)

BARABOSHKIN, A.N.; KOSIKHIN, L.T.; SALTYSOVA, N.A.

Formation of crystal nuclei in the electrolysis of fused salts.
Part 1: Deposition of silver from nitrate melts. Trudy Inst.
elektrokhim. UFAN SSSR no.5:89-100 '64.

(MIRA 18:2)

BARABOSHKIN, A.N.; KOSIKHIN, L.T.; SALTYKOVA, N.A.

Crystallization overvoltage in the electrolysis of fused salts.
Dokl. AN SSSR 155 no. 4:880-882 1p '64. (MIRA 17:5)

1. Institut elektrokhemii Ural'skogo filiala AN SSSR. Predstavleno
akademikom A.N.Frumkinym.

BARABOSHKIN, A.N.; KOSIKHIN, L.T.; SALTYKOVA, N.A.

Exchange currents in pure molten silver nitrate. Dokl. AN SSSR
160 no.1:145-148 Ja '65. (MIRA 18:2)

1. Institut elektrokhimii Ural'skogo filiala AN SSSR. Submitted
July 2, 1964.

L 4447-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD
 ACCESSION NR: AP5017898 UR/0051/65/019/001/0102/0107
 535.377 41
 B

AUTHORS: Shamovskiy, L. M.; Kosikhin, V. F. 44, 45

TITLE: Study of optical and thermal de-excitation of the NaCl(Cu) phosphor 21.44, 55 27 27

SOURCE: Optika i spektroskopiya, v. 19, no. 1, 1965, 102-107

TOPIC TAGS: sodium chloride, activated crystal, thermoluminescence, luminescence quenching, recombination luminescence

ABSTRACT: The purpose of the investigation was to check whether the de-excitation mechanism of the light sum (S) stored in alkali-halide phosphors excited by x-rays is brought about by release of electrons from the trapping levels or whether the de-excitation is due to recombination of electrons trapped in activator centers with holes.

NaCl(Cu) was chosen because the Cu^+ ions can trap both electrons and holes. The single crystals were grown by the Kiropoulos method. The activator amounted to 0.1 -- 1.5 molar per cent. The single crystals

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L 4447-66

ACCESSION NR: AP5017898

were excited with x-rays for twenty minutes at room temperature. The luminescence was recorded with a photomultiplier-potentiometer combination. Phosphorescence was observed at room temperature after interruption of the x-ray irradiation. Thermal de-excitation was obtained after a phosphorescence decay time of twenty minutes. Plots are presented of the absorption coefficient as a function of the CuCl concentration in the NaCl and of the thermoluminescence peaks at different CuCl concentrations, and a table of the light sums obtained is presented for the different concentrations. The results show that the light sum stored during x-ray excitation increases in the NaCl(Cu) phosphor with larger activator concentration, because of hole trapping by the activator ions located in the lattice points of the mixed crystal. The light sum emitted during the optical and thermal de-excitations is equally increased. The long afterglow and the M peak are increased. Recombination losses in the F peak are considerably increased because of external quenching. The results thus indicate that the de-excitation is due to electron-hole recombination. Orig. art. has: 4 figures and 1 table.

Cord 2/3

L 4447-66

ACCESSION NR: AP5017898

ASSOCIATION: None

SUBMITTED: 07Jun63

ENCL: 00

SUB CODE: OP, 55

NR REF SOV: 009

OTHER: 002

Cher

Card 3/3

L 49276-65 EWT(1)/EWT(m)/EWP(t)/EWP(b) P1-4 IJP(c) JD
 ACCESSION NR: AP5009524 8/0048/65/029/003/0460/0462
 25
 B
 AUTHOR: Maksimova, N.D.; Kosikhin, V.F.
 TITLE: Aftereffects of F band illumination of x ray irradiated alkali halide phosphors /Report, 12th Conference on Luminescence held in L'vov, 30 Jan-5 Feb 1964
 SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 3, 1965, 460-463
 TOPIC TAGS: luminescence, luminescent crystal, alkali halide, x ray, phosphorescence, secondary process, fluorescence quenching 27
 ABSTRACT: The authors have investigated the effect of pulsed illumination with F band radiation on the x-ray excited phosphorescence of a number of alkali halide phosphors. Different effects were observed, depending on the phosphor. In KCl:Tl, NaCl:Tl, KCl:Ag, NaCl:Ag, KBr:Ag, and NaBr:Ag, illumination with a flash of F band radiation increased the intensity of the phosphorescence. In KCl:Tl the intensity of this secondary phosphorescence decreased as the primary phosphorescence decayed, i.e., the weaker the primary phosphorescence at the time of illumination with F band radiation, the weaker the secondary phosphorescence; in NaCl:Tl it did not. In KBr:Tl and KBr:In the F band radiation quenched the phosphorescence. In NaBr:Tl
 Card 1/2

1. 49275-65

ACCESSION NR: AP5009524

and NaBr: In the F band radiation flash temporarily quenched the phosphorescence, i.e., the intensity of the primary phosphorescence decreased sharply and subsequently returned to its normal value. Possible explanations of all these effects are discussed briefly, but the authors refrain from advancing a final explanation until more experimental data become available. Orig. art. has: 3 figures.

ASSOCIATION: None:

SUBMITTED: 00

ENCL: 00

SUB CODE: OP, SS

NR REF SOV: 004

OTHER: 000

ML
Card 2/2

KOSIKOV, A.

V.Silitskii, an outstanding driver. Avt.transp. 38 no.1:52
Ja '60. (MIRA 13:5)

1. Nachal'nik Orshanskoy avtotransportnoy kontory No.2.
(Highway transport workers)

KOSIKOV, A.M., inzh., red.; CHAPLYGIN, D.V., kand. tekhn. nauk,
red.; GODLEVSKIY, I.B., inzh., red.

[Construction specifications and regulations] Stroitel'nye
normy i pravila. Moskva, Stroiizdat. Pt.3. Sec.1. ch.2.
[Power-producing hydraulic structures in rivers; regulations
for the organization of construction and acceptance for
operation] Gidrotekhnicheskie sooruzheniia rechnye energeti-
cheskie; pravila organizatsii stroitel'stva i priemki v eks-
pluatatsiiu (SNiP III-I.2-62). 1964. 17 p. (MIRA 17:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Gosstroy SSSR (for Kosikov). 3. Mezhdu-
vedomstvennaya komissiya r veresmotru Stroitel'nykh nor-
pravil (for Chaplygin). 4. Vsesoyuznyy proyektno-izyskatel'-
skiy i nauchno-issledovatel'skiy institut imeni S.Ya.Zhuka
(for Godlevskiy).

POPSUYENKO, Aleksandr Profir'yevich; PRIYMENKO, Pavel Aleksandrovich;
KOSIKOV, Ivan Mikhailovich; PONOMAREV, Aleksey Timofeyevich;
~~KUNKIN, V.R., redaktor; STIKHNO, T.V., tekhnicheskii redaktor~~

[Experience in reducing idle time of locomotives in repair shops;
the Ilanskiy depot of the Krasnoyarsk Railroad] Opyt sokrashchenia
prostoya parovozov v remonte; depo Ilanskaia Krasnoyarskoi zheleznoi
dorogi. Moskva, Gos.transp.zhel-dor. izd-vo, 1967. 71 p. (MLRA 10:10)
(Ilanskiy--Locomotives--Maintenance and repair)

KOSIKOV, K. M.

"Electric Field Intensity of Short-Wave Transmitters," Byull po Rasprost
Radiovoln TsNIIS, 1-2, 1936, Radiotekhnika, No 3-4, 1946.

Central Scientific Research Institute of Communications, Ministry of Communications
(TsNIIS)

KOSIKOV, K. M.

PA 19T16

USSR/Ionospheric Measurements
Wave lengths

Jun/Jul 1946

"Application of Ionosphere Data to Radio Communication," K. M. Kosikov, Candidate of Mech Sci, 12 pp

"Radiotekhnika" Vol I, No 3/4

Outline of characteristics of the ionosphere of significance in selecting radio wave lengths. The anomalous state of the ionosphere during maximum and minimum phases of solar activities is noted, and a procedure for calculating time limits for satisfactory radio communication, based on forecasts of the state of the ionosphere is suggested.

19T16

KOSIKOV, K. M.

USSR/Miscellaneous - Communications

Card 1/1 Pub. 133 - 2/23

Authors : Kosikov, K. M., Candidate of Engineering Sciences, Senior Scientific Worker
of the Ministry of Communications Research Institute
Title : Ionosphere phenomena and methods of counteracting their effect on radio com-
munications

Periodical : Vest. svyazi 8, 3-4, Aug 1954

Abstract : A brief description of ionospheric phenomena exercising an adverse effect on
radio communications is given. The propagation of waves in ionospheric lay-
ers and individual cases of ultrashort-and meter-waves propagation are dis-
cussed. Methods of counteracting the negative effect on radio reception of
ionospheric phenomena (fading, skip-distance and differences between day and
night reception) are indicated and the possibility of utilizing very short
waves (including meter waves) propagated by reflection is illustrated. Dia-
grams.

Institution : ...

Submitted : ...

STANOV. NAUCHN. NII
SOTR. D. P. K. NII
MINISTERSTVA
S. I. 1421

KOSIKOV, K. M.

"Disruption of Radio Communications in the Eastern Hemisphere
on 23 February 1956," by K. M. Kosikov, Elektrosvyaz', No 12,
Dec 56, pp 22-26

On 23 February 1956, starting at 0635 hours Moscow time, a general disruption in radio communications on all lines east of Moscow took place. This communications disruption lasted for 30 minutes on the main lines and for several hours on the others; on the northern lines it started earlier and lasted longer.

The article attributes this phenomenon to the unusual solar activity during this period which adversely affected the ionization of the ionosphere.

Sum 1274

KOSIKOV K.M.

AUTHOR: Kosikov, K.M.

"The Prospects of Utilizing Oblique and Return Reflections from Great Distances and Around-the-World Echo,"
A-U Sci Conf Dedicated to "Radio Day," Moscow, 20-25 May 1957.

PERIODICAL: Radiotekhnika i Elektronika, Vol. 2, No. 9, pp. 1221-1224,
1957, (USSR)

KOSIKOV, K.M.; MITITELLO, B.F.; MODEL', A.M.; SAVITSKIY, G.A.; FEDOROVICH, Ye.G.
SHCHETININ, A.P., FEDUNIN, G.A., otv.red.; GALOYAN, M.A., red.
SHEFER, G.I., tekhn.red.

[Handbook for electric communications]. Inzhenerno-tekhnicheskii
spravochnik po elektrosvazi. Moskva, Gos.izd-vo lit-ry po voprosam
svyazi i radio. Vol.8, [Radio], Radiosvaz'. 1958. 500 p. (MIRA 11:8)

1. Russia (1923- U.S.S.R) Ministerstvo svyazi.
(Radio)

KOSIKOV, K. M.

[Transactions of the] Conference on the Occasion of the 40th Anniversary of the Nizhniy-Novgorod Radio Laboratory imeni V. I. Lenin, 22-24 May, at Gor'kiy (Radiotekhnika, 13:8, 71-9, '58) SOV/108-13-8-11/12

K. M. Kosikov reported in short on two important discoveries of M. A. Bonch-Bruyevich in the field of the propagation of radio waves (1932-1933).--

A. A. Pistol'kors, B. A. Ostroumov, N. N. Izotov, and V. I. Ge spoke about the Tver' radio station as well as of the Nizhniy-Novgorod Radio Laboratory.

The participants in the conference visited the laboratory establishments of the NIRFI at Gor'kiy State University where they became acquainted with the observations made according to the program of the International Geophysical Year.

Aboard the motor ship "Ukraina" by which the participants in the conference sailed to Gor'kiy a readers' conference of the periodical "Radiotekhnika" was held. It was arranged by the Chief Editor M. R. Reznikov and the First Editor R.D.Mel'nikovskaya. M. R. Reznikov spoke about the activity of the editorial staff. Ya. M. Sorin (Moscow) stressed the fact that the periodical supplies only little information on the problems turning up in industry. I. M. Kogan (Moscow) was of opinion that more articles concerning applied theory should be dealt with. A. V. Bogdanov (Leningrad) suggested to publish a special

Card 3/4

AUTHOR: Kosikov, K.M. SOV/106-59-7-2/16
TITLE: Return-slope Probing and the Problems of Radio-
communication and Radio-broadcasting Over Great Distances
PERIODICAL: Elektrosvyaz', 1959, Nr 7, pp 10 - 16 (USSR)

ABSTRACT: After a brief review of the developments in obtaining operational data on ionospheric conditions, the author considers the return-slope probing (RSP) method, which has been used in recent years to investigate the radio-propagation conditions over long distances. RSP is based on the phenomenon of scatter of radio waves by the Earth when waves reflected from the ionosphere fall on it. The article describes the experience gained in attempts to widen the application of RSP beyond the limits of a single skip distance (beyond 3 500 km). The work was undertaken with existing techniques using frequencies which would not cause interference with other transmissions. Large pulse power and narrow beam transmitters were used. The experiments showed that it is possible to obtain operational data on the propagation conditions over path lengths up to 9 000 - 12 000 km and often over the

Card1/4

SOV/106-59-7.2/16

Return-slope Probing and the Problems of Radio-communication and
Radio-broadcasting Over Great Distances

whole Earth sphere. A feature of the experiments was that with RSP at one frequency it is possible to obtain almost all the necessary data on both the propagation conditions and on the reliability of communication over a given radio path.

Pulses are transmitted daily for 3 - 5 minutes at a time. The pulse duration is comparable with the duration of the shortest communication signals used. Successive signals are received and presented on an oscilloscope at the transmitter point. If the probing is undertaken in 4 - 5 directions, this method permits propagation conditions over one-half of the globe to be evaluated. The distance of the reflections of the reverse-scattered pulse signals, their intensity, structure and degree of fluctuation characterise the propagation conditions over the region. These characteristics can be compared with corresponding characteristics obtained on days when transmission was good and on days when transmission was

Card2/4 bad. Figures 1-3 show oscillograms obtained with RSP which

SOV/106-59-7-2/16

Return-slope Probing and the Problems of Radio-communication and
Radio-broadcasting Over Great Distances

also show the circular-light echo pulses.

The author then shows how the optimum operational frequency, the position of the "illuminated" zone and the field strength at the receiver can be calculated from data measured off the oscillograms. A given reception zone can be selected by adjusting the transmission angle as indicated by measuring the reflected pulses against a scale over the oscillogram screen.

Finally, the author describes and comments on other observed results concerning the width and intensity of the reflected pulses, the distribution and intensity of the circular-light echo signals, etc. The following engineers participated in this work: Yu.A. Chernov, N.I. Fedotov, L.N. D'yachenko, I.I. Krashenninnikov, N.P. Arlamenkov, I.M. Vorob'yev, A.S. Repin, L.N. Khavskiy and V.Ya. Kvyatkovskiy.

Card5/4

SOV/106-59-7-2/16

Return-slope Probing and the Problems of Radio-communication and
Radio-broadcasting Over Great Distances

There are 5 figures, 1 table and 11 references, of
which 2 are Soviet, 1 Japanese and 8 English.

SUBMITTED: February 27, 1959

Card 4/4

KOSIKOV, K.

Ionosphere and long-distance television. Radio no.2:37-38
F '60. (MIRA 13:5)
(Ionospheric radio wave propagation)
(Television--Transmitters and transmission)

KOSIKOV, K., kand.tekhn.nauk

Long distance television reception in 1960. Radio no.4:30 Ap '61.
(MIRA 14:7)

(Television---Receivers and reception)

KOSIKOV, K., kand.tekhn.nauk

Physical properties of long-distance television reception. Radio
no.4:28-29 Ap '62. (MIRA 15:4)
(Television—Receivers and reception)

L 15791-65 EWT(a)/FSS-2/EEC(k)-2/EEC-l/EEC(t) Pn-l/Pp-l/Pac-l/Pg-l/Pt-10/Pl-l
 ACCESSION NR: APL048922 ESD(c)/ESD(t)/ASD(a)-5 WS F/0286/6h/000/020/0028/0028

AUTHORS: Kosikov, K. M.; Chernov, Yu. A.; Khrapko, I. K.; Vul'fov, Yu. D.;
 Gaponov, V. M.; Zakharov, V. A.

TITLE: A method of short-wave radio communication through the polar zone. Class
 2/1, No. 165781 8

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1964, 28

TOPIC TAGS: short wave propagation, radio communication

ABSTRACT: This Author's Certificate presents a method of short-wave radio communication through the polar zone by using at the receiving station double or triple reception with summation of signals or with automatic selection. To increase the stability of the radio communication, the maximum of the directional diagram of the receiving antenna is oriented with a deviation from the azimuth within limits up to 120° .

ASSOCIATION: none

SUBMITTED: 04Jan63

SUB CODE: EC

Co/81/1

NO REF SOV: 000

ENCL: 00

OTHER: 000

CA 11c

HEREDITY OF FERMENTATIVE PROPERTIES OF SEVERAL INTER-SPECIES HYBRIDS OF *Saccharomyces*. V. I. Kudryavtsev and K. V. Konikov (Genetics Inst., Moscow). *Microbiology (U.S.S.R.)* 16, 477-82 (1947).—Studies of fermentation potency of hybrids of first generation of *S. ellipsoideus* X *S. globosus*; *S. ellipsoideus* X *S. chodati*, and *S. globosus* X *S. chodati*, as well as 2nd generation of *S. ellipsoideus* X *S. globosus*. In all cases the 1st generation showed dominance of the organism having the highest enzyme content. A split occurs in the 2nd generation and, alongside the parent forms, one also observed forms with intermediate potency. G. M. Kosolapoff

ASR-SLA METACATALOGICAL LITERATURE CLASSIFICATION

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KOSIKOV, K. V.

"Genetic Analysis of Gametogenesis (Spore Formation) in Saccharomyces Type Yeast," Dokl. AN SSSR, 61, No.4, 1948.

Inst. Genetics, AS USSR

KOSIKOV, K. V.

PA 55/49T68

USSR/Medicine - Yeast, Growth
Medicine - Microorganisms

Dec 48

"Hybridization as a Variable Factor in Microorganism: The Nature of Yeasts' Adaptation to Fermenting Saccharose," K. V. Kosikov, 4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 5

Experiments with *Saccharomyces ellipsoideus*, *S. globosus* and their hybrids proved system of ferment reproduction generated during process of adaptation was unstable and easily disrupted. Submitted by Acad A. I. Oparin 18 Oct 48.

55/49T68

KOSIKOV, K. V.

Institute of Genetics, USSR Academy of Sciences, Moscow

"Hybridization of yeast" (review). Introduction.

SO: MIKROBIOLOGIA, Vol. 18, No. 6, November/December 1949

KOSIKOV, K. V.

"Directed Variation in the Characteristics of Microorganisms Under the Influence of Preparations Derived From Related Strains", Proceedings of the Genetics Institute of the Academy of Sciences USSR, No. 18, pp 185-194, 1950.

KOSTKOV, K. V.

"Variation in the Fermentative Characteristics of Hybrid Yeasts Under the Influence of Cultivation Conditions", Proceedings of the Genetics Institute of the Academy of Science USSR, No. 18, pp 195-209, 1950.

KOSIKOV, K.V.

#52/2939 (Directive variation of fermentative properties of yeasts under the influence of extracts of related species) Napravlennaia izmenchivost' fermentativnykh svoistv drozhzhei pod vlianiem preparatov, poluchennykh iz rodstvennykh shtammov. Doklady Akademii Nauk SSSR, 73(2): 381-384, 1950

KOSIKOV, K. V.

Institute of Genetics, USSR Academy of Sciences, Moscow.

"Methods of hybridization and controlled modification in the selection of yeast cultures."

SOURCE: MICROBIOLOGIA, Vol. 20, No. 4, July/August 1951

6.051K04, K. V.

✓ Hereditary changes in yeast in the ability to ferment under the influence of specific substrates. K. V. Koslov. Doklady Akad. Nauk S.S.S.R. 80, 105-7 (1951). By transferring *Saccharomyces globosus* (I), which ferments sucrose hardly at all (less than 2% within 30 days) into media contg. decreasing amts. of glucose and const. amts. of sucrose (6%), it develops increasing abilities to ferment sucrose. Similar expts. were carried out successfully with media contg. lactose which is normally not fermented at all. 62

Some 225 transfers were required to assure max. changes. Emanual Merdinger

KOSIN, K. V.

KOSIN, K. . -- "Hybridization, Direction of Variability, and Observation of Acquired Characteristics in Yeast." Sub 28 Jan 82, Inst of Microbiology, Acad Sci USSR. (Dissertation for the Degree of Doctor in Biological Sciences).

So: Vechernaya Moskva January-December 1982

KOSIKOV, K. V.

24476

USSR/Biology - Modification of Yeast Jun 52

"Experimental Evidence of the Directed Variation of Fermentation Properties of Yeast, Due to the Influence of a Specific Substrate," K. V. Kosikov

"Trud Inst Genet" No 19, pp 199-221

Adapted S. globus to the fermentation of saccharose by growing it on saccharose and to fermentation of lactose by growing it on lactose. The results showed that activation of the substrate by the enzyme is preceded by development in the cell of an enzyme as a result of a specific

24476

effect of the substrate. The author assumes that his findings offer conclusive evidence that a directed modification of yeast may be produced by the effect of a specific substrate. In his opinion, this supports the statements of T. D. Lysenko on the effect of environment on the hereditary traits of an organism.

24476

USSR/Medicine - Microbiology Jul/Aug 52

"New Method for Isolating Individual Cells of Microorganisms," K. V. Kosikov, Inst of Genetics, Acad Sci USSR

"Mikrobiologiya" Vol 21, No 4, pp 449-452

PA 228T21

Gives a detailed account of a new method in soviet laboratory technique, by which cells of microorganisms or candida can be isolated for further study. A slide bearing a smear of a culture grown on gelatinous media is placed into a specially constructed moist chamber and slid under a

228T21

microscope. Selection and removal of candida or other cells is made by means of a platinum loop. Photographs and drawings of the chamber and im-plements used are shown.

KOSIKOV, K. V.

228T21

KOSIKOV, K. V. and SUKHOV, K. S.

"Recent USSR Work on the Ontogenesis, Modification, and Selection of Micro-organisms," Mikrobiologiya, 21, No.6, pp 754-760, 1952

Translation W-25892, 21 Apr 53

KOSIKOV, K. V.

USSR/Biology - Directed Modification of Oct 52
Microorganisms

"Hybridization, Directed Modification, and Inheritance of Acquired Characteristics in Yeasts,"
K. V. Kosikov, Inst Microbiol. Dept of Biol Sci,
Acad Sci USSR

"Vest Ak Nauk SSSR" Vol 22, No 10, pp 106,107

Exptl results show: by controlling conditions of cultivation one may bring about directed modification of hybrid yeasts; cultivation in suitable substrates leads to the development of new fermentation properties; the new properties are
239T10

inherited even if subsequently substrates contg different sugars are used. By using these methods, four genetically-modified strains of *S. globosus* were obtained. Some of the modified hybrid yeasts resulting from the work in question are being used in the fermentation industry.

This was dissertation for doctor~~ate~~ of biological sciences, defended before Institute of Microbiology, 1952.

KOSIKOV, K. V.

USSR/Biology - Genetics

May/Jun 52

PA 23714
"Meeting of the Dept of Biological Sciences and the Institute of Genetics, Academy of Sciences, USSR, Dedicated to the 70th Anniversary of the Death of Charles Darwin," K. V. Kosikov

"Uspekhi Sov Biol" Vol 33, No 3, pp 472-478

Meeting on 19 Apr 52 presided over by A. I. Oparin. Theories of Darwin discussed in light of dialectic materialism. Reports were read by Dr. of Biol Sci N. I. Nuzhdin, Prof V. S. Dmitriyev, and Prof of Biol Sci A. N. Suditskiy. Acad T.D. Lysenko summarized achievements of Soviet science, praised

23714

theories of O. B. Lepeshinskaya, and advised assembly directed interference with natural phenomena now becoming possible. Stated teachings of Darwin, warmly acclaimed in the Soviet Union, but banned in schools of capitalistic Great Britain and USA. Emphasized, however, that the Malthusian, mechanistic, and formalistic elements of Darwinism (particularly Darwin's disregard of the role of metabolism) must be eliminated.

23714

KOSIKOV, K.V.

Directed variability and formation of species in yeast. Doklady
Akad. nauk SSSR 87 no. 1:139-141 1 Nov 1952. (CLML 23:5)

1. Presented by Academician A. I. Oparin 15 September 1952.

KOSIKOV, K.V.

Inheritance of acquired fermentative properties in yeast in sexual reproduction (sporoformation). Doklady Akad. nauk SSSR 87 no.2:283-285
11 Nov 1952. (CLML 23:5)

1. Presented by Academician A. I. Oparin 15 September 1952.

KOSIKOV, K.V.

Regularity in the inheritance of fermentation characteristics in yeast,
recurring as a result of controlled variability. Trudy Inst.gen. no.20:
150-196 '53. (MLRA 7:1)

(Yeast) (Heredity)

KOSIKOV, K.V.; SUKHOV, K.S., doktor biologicheskikh nauk, otvetstvennyy
redaktor; REDIN, Ye.I., redaktor; NEVRAYEVA, K.A., tekhnicheskii
redaktor

[Genetics of yeasts and methods of selection of yeast cultures]
Genetika drozhzhei i metody selektsii drozhzhevykh kul'tur.
Moskva, Izd-vo Akademii nauk SSSR, 1954. 326 p. (MLRA 7:10)
(Yeast)

KOSIKOV, K. V.

"Conference on the Problem 'Heredity and Its Variability'," Usp. Sovrem. Biol.,
37, No.3, pp 378-81, 1954

Translation M-698, 19 Aug 55

KOSIKOV, K.V.

med / Some regularities of directed variability of microorganisms.
K. V. Kosikov. *Izv. Akad. Nauk S.S.S.R., Ser. Biol.*
1959, No. 5, 25-31. -- Review, with 4 references, concerning
the directed modification of function of microorganisms by
chem. modification of their environment, with specific
attention directed to variation of enzyme systems in *Sac-*
charomyces globosus and *S. paradoxus* to enable them to
ferment various carbohydrates. G. M. Kosolapoff

Inst. Genetics, AS USSR

KOSIKOV, K.V.

Remote hybridization of yeasts. Part 1: Producing hybrids between
Saccharomyces cerevisiae (racell) and Schizosaccharomyces Pombe.
Mikrobiologiya 25 no.3:275-278 My-Je '56. (MLRA 9:10)

1. Institut genetiki AN SSSR, Moskva.
(YEAST) (HYBRIDIZATION, VEGETABLE)

KOSIKOV, K.V.

Distant hybridization of yeasts. Part 2: Obtaining hybrids between *Saccharomyces cerevisiae* (XII strain) and *Schizosaccharomyces Pombe* through copulation of cells [with English summary in insert].
Mikrobiologiya 25 no.4:420-422 J1-Ag '56. (MLRA 9:10)

1. Institut genetiki AN SSSR Moskva.

(YEASTS,

Saccharomyces cerevisiae & *Schizosaccharomyces pombe*,
hybridization (Rus))

KOSIKOV, K.V.

Remote hybridization of yeasts. Part 3: Production of hybrids of *Saccharomyces cerevisiae* (race XII) and *Schizosaccharomyces pombe* by copulation of growing spore. *Mikrobiologiya* 25 no.5:533-536 S-0 '56. (MIRA 10:1)

1. Institut genetiki Akademii nauk SSSR, Moskva.

(SACCHAROMYCES CEREVISIAE,

hybridization with *Schizosaccharomyces pombe* (Rus))

(YEASTS,

Schizosaccharomyces pombe, hybridization with *Saccharomyces cerevisiae* (Rus))